

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000012

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F26B17/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F26B F23G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 213 407 A (HEADLEY KENNETH N) 22 July 1980 (1980-07-22) column 6, line 19 - line 22 column 7, line 46 - line 50	1-3,5,6, 10-13, 15,18-20
Y	US 6 024 307 A (CLARKE-AMES JEREMY JONATHAN ET AL) 15 February 2000 (2000-02-15) cited in the application column 4, line 66 -column 5, line 7 column 6, line 5 - line 17	1-3,5,6, 10-13, 15,18-20
A	EP 0 536 650 A (KLEIN ALB GMBH CO KG) 14 April 1993 (1993-04-14) the whole document	1,5

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

8 June 2004

Date of mailing of the international search report

22/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Silvis, H

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000012

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 384 787 A (ITO YASURO ET AL) 24 May 1983 (1983-05-24) the whole document ---	1,5
A	EP 1 072 854 A (HOSOKAWA MICRON KK) 31 January 2001 (2001-01-31) the whole document ---	1
A	US 4 702 927 A (TANIGUCHI HITOSHI ET AL) 27 October 1987 (1987-10-27) the whole document ---	1
A	US 6 085 440 A (GETLER JENS) 11 July 2000 (2000-07-11) ---	
A	DE 16 04 934 B (HAAG EUGEN) 30 July 1970 (1970-07-30) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000012

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4213407	A	22-07-1980	AU 530232 B2	07-07-1983
			AU 5396879 A	03-07-1980
			BE 880910 A1	27-06-1980
			BR 7908905 A	04-08-1981
			CA 1131013 A1	07-09-1982
			DE 2953439 T0	15-01-1981
			DK 362580 A	22-08-1980
			EP 0020735 A1	07-01-1981
			GB 2051328 A , B	14-01-1981
			IT 1126694 B	21-05-1986
			JP 56500070 T	22-01-1981
			NL 7920195 A	31-10-1980
			NL 7920195 T	31-10-1980
			PL 220701 A1	08-09-1980
			RO 85234 A1	29-09-1984
			SE 8005856 A	20-08-1980
			WO 8001407 A1	10-07-1980
US 6024307	A	15-02-2000	US 5839671 A	24-11-1998
			AT 201151 T	15-06-2001
			AU 734438 B2	14-06-2001
			AU 4612997 A	11-05-1998
			CA 2218429 A1	16-04-1998
			WO 9816316 A1	23-04-1998
			DE 69704875 D1	21-06-2001
			DE 69704875 T2	04-10-2001
			EP 0932446 A1	04-08-1999
			ES 2160369 T3	01-11-2001
			NZ 335779 A	24-11-2000
EP 0536650	A	14-04-1993	DE 4133642 C1	25-02-1993
			AT 136110 T	15-04-1996
			CZ 9203074 A3	16-06-1993
			DE 59205833 D1	02-05-1996
			EP 0536650 A1	14-04-1993
US 4384787	A	24-05-1983	JP 1515312 C	24-08-1989
			JP 56007970 A	27-01-1981
			JP 63045850 B	12-09-1988
			JP 1647885 C	13-03-1992
			JP 2062366 B	25-12-1990
			JP 56051317 A	08-05-1981
			JP 56062534 A	28-05-1981
			JP 1389079 C	14-07-1987
			JP 56073518 A	18-06-1981
			JP 61057051 B	05-12-1986
			CA 1168523 A1	05-06-1984
			CA 1185541 A2	16-04-1985
			CH 649225 A5	15-05-1985
			DE 3009332 A1	02-10-1980
			FR 2457165 A1	19-12-1980
			FR 2457166 A1	19-12-1980
			GB 2048446 A , B	10-12-1980
			GB 2111659 A , B	06-07-1983
			US 4566799 A	28-01-1986
			IT 1129748 B	11-06-1986
			NL 8001500 A	16-09-1980

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/CA2004/000012

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1072854	A	31-01-2001	JP 2001041652 A	16-02-2001
			CA 2314634 A1	29-01-2001
			EP 1072854 A1	31-01-2001
			US 6397490 B1	04-06-2002
US 4702927	A	27-10-1987	NONE	
US 6085440	A	11-07-2000	DE 69603288 D1	19-08-1999
			DE 69603288 T2	09-12-1999
			WO 9719307 A1	29-05-1997
			EP 0862718 A1	09-09-1998
			DK 862718 T3	29-11-1999
DE 1604934	B	30-07-1970	DE 1604934 B1	30-07-1970